

## **DETAILED ACTION**

### **APPLICANTS' ARGUMENTS**

Amended claims 8, 14, 17, 20 and cancelled claims 2, 5-6, 9, 13, 16, and 19, filed 8/7/09, are acknowledged. Applicants' arguments and amendments, filed 8/7/09, have been fully considered and are persuasive with the Examiner's Amendment below. All of the previous rejections have been withdrawn.

The drawings, filed 4/1/04, are accepted by the Examiner.

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jayme Torelli on November 9, 2009.

On page 7, line 6, after “coding\_region.1”, insert “(nucleotides 12-17 of SEQ ID NO: 1)”.

On page 7, line 6, after "coding region.2", insert "(nucleotides 29-39 of SEQ ID NO: 1)".

On page 7, line 9, after “coding region.1”, insert “(nucleotides 1-11 of SEQ ID NO: 1)”.

On page 7, line 9, delete “non-coding\_region.1”; replace with “non-coding\_region.2 (nucleotides 18-28 of SEQ ID NO: 1)”.

In claim 14, line 1, after “recordable”; insert “storage”.

In claim 17, line 1, after “recordable”, insert “storage”.

The following is an examiner's statement of reasons for allowance:

The invention is directed to a computer-implemented security system, method, and program product for securing an electronic version of a nucleotide chain sequence. The prior art does not disclose the system, method, and program product as they are claimed in the instant invention. The 35 USC 101 rejections in the previous office action, mailed 5/14/09, were removed due to Applicant's and Examiner's amendments. The 35 USC 112, 2nd paragraph, rejections, were removed due to Applicant's claim amendments. Examiner amendments to the

specification address sequence compliance issues. Because no outstanding rejections remain, the claimed invention is deemed allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### EXAMINER INFORMATION

Papers related to this application may be submitted to Technical Center 1600 by facsimile transmission. Papers should be faxed to Technical Center 1600 via the PTO Fax Center. The faxing of such papers must conform with the notices published in the Official Gazette, 1096 OG 30 (November 15, 1988), 1156 OG 61 (November 16, 1993), and 1157 OG 94 (December 28, 1993) (See 37 CFR §1.6(d)). The Central Fax Center number for official correspondence is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. If you have questions on access to the Private PAIR system, please contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the

automated information system, please call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carolyn Smith, whose telephone number is (571) 272-0721. The examiner can normally be reached Monday through Thursday from 8 A.M. to 6:30 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marjorie Moran, can be reached on (571) 272-0720.

11/9/09

/Carolyn Smith/  
Primary Examiner  
AU 1631